



# Sengly Silamongkul

ARCHITECTURAL DESIGNER

## PROFILE

Japan-educated architecture and engineering graduate based in Phnom Penh. Combines architectural design, detailed AutoCAD documentation and materials research with practical structural and MEP coordination experience.

Experience spans architectural layouts, construction details and drawing coordination across two estate buildings.

## CONTACT

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## LANGUAGES

**Khmer**  
Native

**English**  
Professional working  
TOEIC 890 (2023)

**Japanese**  
Conversational / working

## PROFESSIONAL EXPERIENCE

### Architectural Intern

JUN - AUG 2026

PH Construction / Peng Huoth Group

#### COMPLETED INTERNSHIP

Covered two main buildings within one residential estate: greenhouse with accommodation, and driver/support facilities. The buildings are under construction; my internship is complete.

#### Greenhouse + accommodation

- Designed architectural layouts and developed AutoCAD plans, roof plans, elevations, sections, dimensions and level information.
- Prepared construction and shop drawings, including stair plans and sections, bathroom layouts, floor layouts and sanitary details.

#### Driver + support facilities

- Developed the arrangement of driver accommodation, sitting areas and bathrooms, with coordinated plans, facades and building sections.
- Detailed the sanitary core through fixture plans, floor layouts, internal elevations and bathroom sections.

#### Coordination within the practice team

- Coordinated architectural drawings with structural requirements and contributed to initial MEP discussions on pipe routes and sanitary arrangements.

### Private Villa / concept collaboration

JAN 2026

Architectural concept and full 2D design

- Developed the preliminary concept, floor plan and roof plan. Worked with a civil-engineer collaborator who developed the SketchUp/3D model and advised on columns, beams and MEP.

### Poipet Residential Flat

2024

Architectural design collaboration / Poipet, Cambodia

- Contributed architectural planning and AutoCAD documentation with a collaborating architect: floor plans, elevations, sections and dimensions for a vertically organized residential building.

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EDUCATION / PROJECTS / CAPABILITIES

## TOOLS & METHODS

### AutoCAD

Architectural 2D drawings; construction and shop drawings; dimensions and technical details.

### Vectorworks

Architectural design, 3D modelling and academic BIM workflows.

### D5 Render

Architectural visualization; material and daylight presentation.

### Photoshop

Presentation graphics and image preparation.

### Revit

Beginner. Learning through a family house project at schematic design stage.

### Microsoft Office

Excel, Word and PowerPoint for analysis, documentation and presentations.

### AI-assisted workflows

Research, analysis, learning and documentation support.

## EDUCATION & SCHOLARSHIPS

### Mie University / Japan

MAR 2026

Bachelor of Engineering in Architecture.

### Nihon Kogakuin / Japan

MAR 2024

Architecture Design. Developed design proposals, architectural drawings, 3D studies and project presentations.

Earlier education: Japanese preparation through JASSO (March 2022); Civil Engineering studies at ITC (2019-2021); BELTEI International School.

Scholarships: ITC full scholarship; fully funded SIIT Thailand and MEXT Japan awards. Continued studies in Japan through MEXT.

## RESEARCH & SELECTED ACADEMIC PROJECTS

### Laterite mortar / materials research

2025 - 2026

Mie University / Supervisor: Prof. Noriyuki Mita

- Prepared and tested mortar specimens to study laterite as a fine-aggregate replacement. Compared replacement ratios, mix proportions and 7-day / 28-day curing ages.
- Analyzed strength, density and water absorption; compared fly ash and blast-furnace slag modifications. Presented experimental results, correlations and technical findings.

### Edobashi Station Redevelopment

2025 - 2026

Mie University. Investigated site access, public circulation and mixed-use planning around an existing station. Developed plans, sections, 3D representations and a physical model.

### FJCEC / cultural exchange centre

2023 - 2024

Nihon Kogakuin. Developed an original proposal from brief to architectural design: program zoning, courtyard circulation and terraces, supported by Vectorworks plans, sections and 3D studies.

### Tiny House / compact living study

Nihon Kogakuin. Explored two-storey planning and loft connections; communicated the design through floor plans, a section, interior views and material/daylight visualization.

## INDEPENDENT DEVELOPMENT

### L-shaped House / family project

ONGOING

Personal project for my father, currently at schematic design stage. Exploring economical construction and architectural character while developing Revit modelling skills through the design process.